

```

graph TD
    IB[Image Builder 3] --- CN([Communication Network 5])
    TD[Test Device 4] --- CN
    TD --- TA[Target Application]
    TD --- FW[Firewall FW]
    TG[Test generation means client 1] --- CN
    DS[Data storage means server 2] --- CN
  
```

The diagram illustrates the architecture of the test environment. At the center is a 'Communication Network' (5). Four main components are connected to this network: 'Image Builder' (3) at the top left, 'Test Device' (4) at the top right, 'Test generation means (client)' (1) at the bottom left, and 'Data storage means (server)' (2) at the bottom right. The 'Test Device' (4) is further connected to a 'Target Application' and a 'Firewall (FW)'.

Figure 1

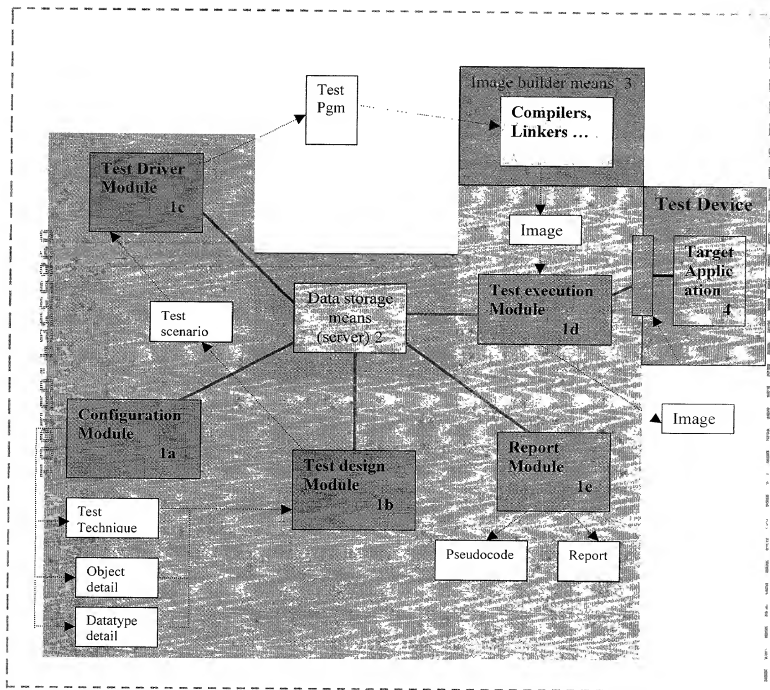


Figure 2

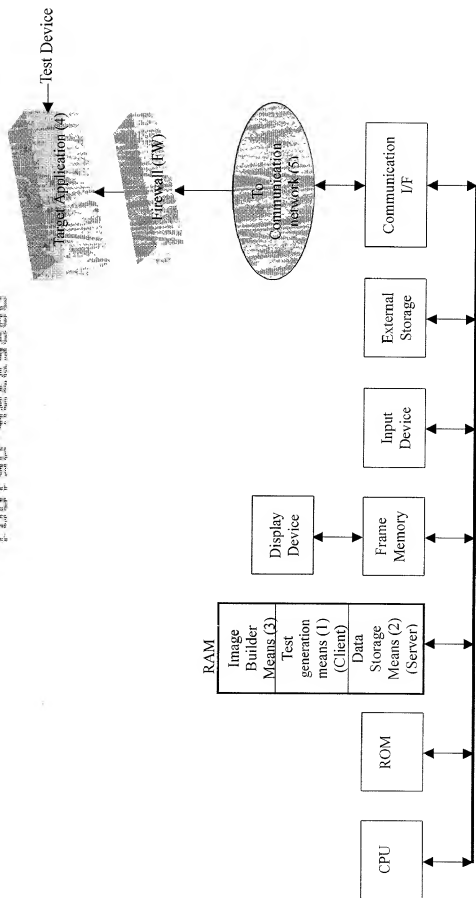


Figure 3

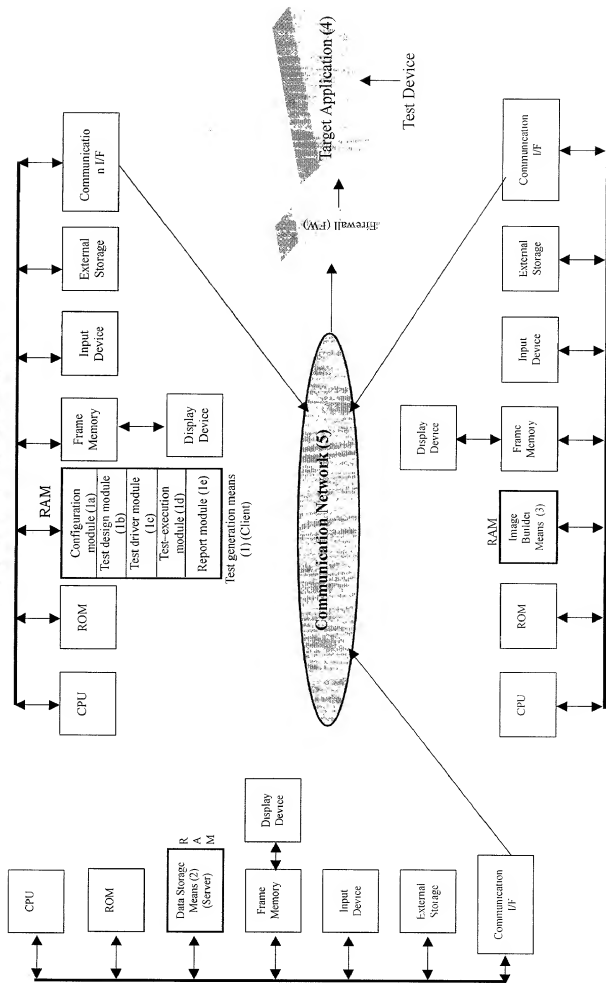


Figure 4

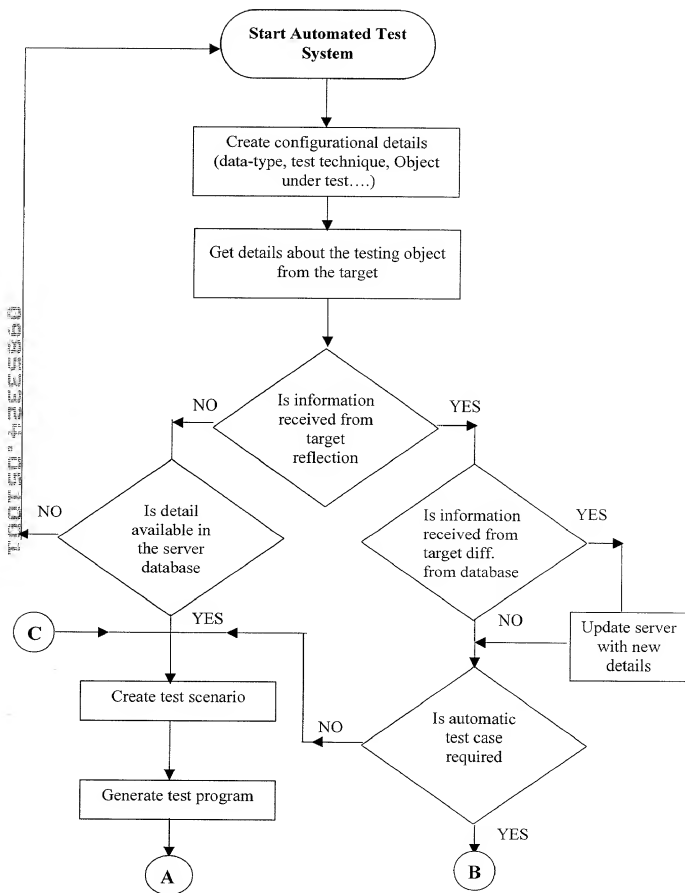


Figure 5a

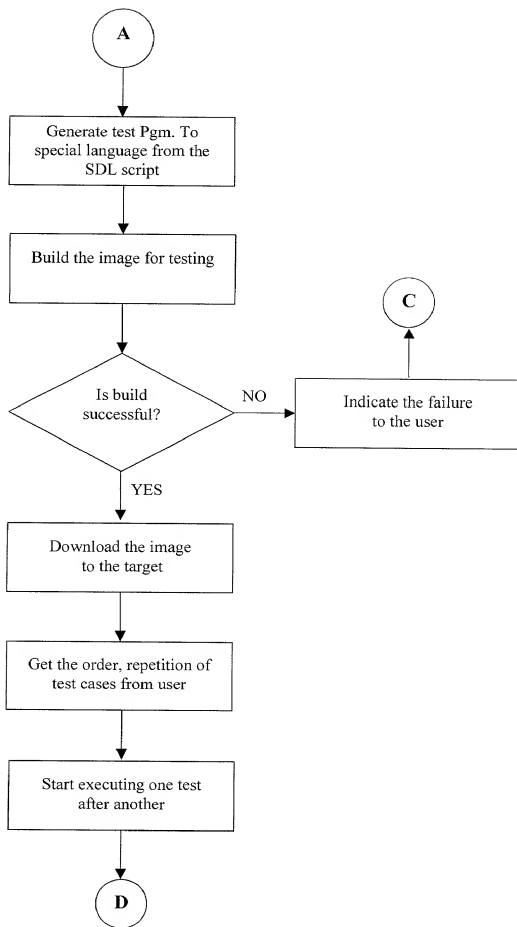


Figure 5b

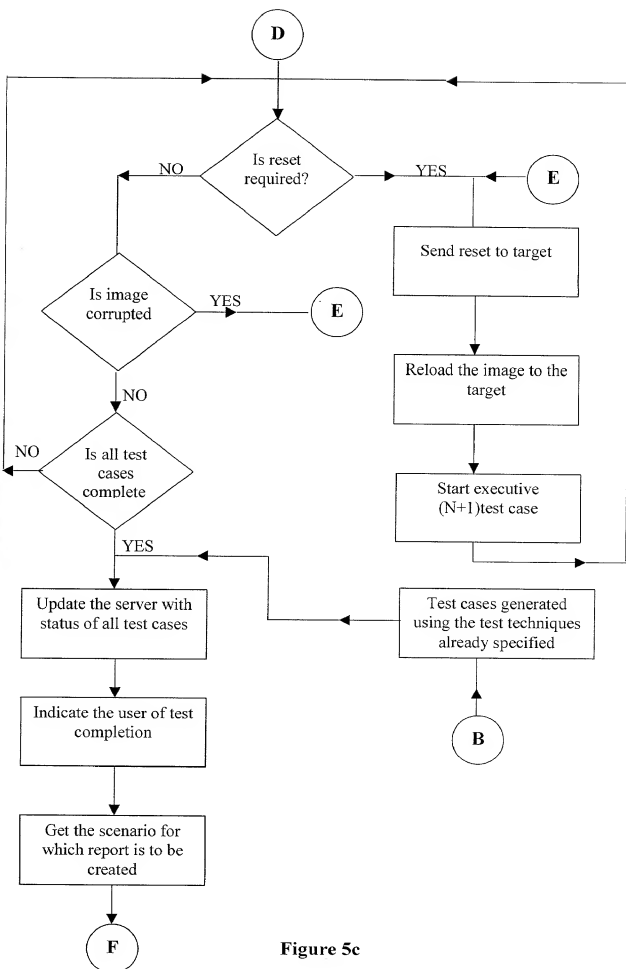


Figure 5c

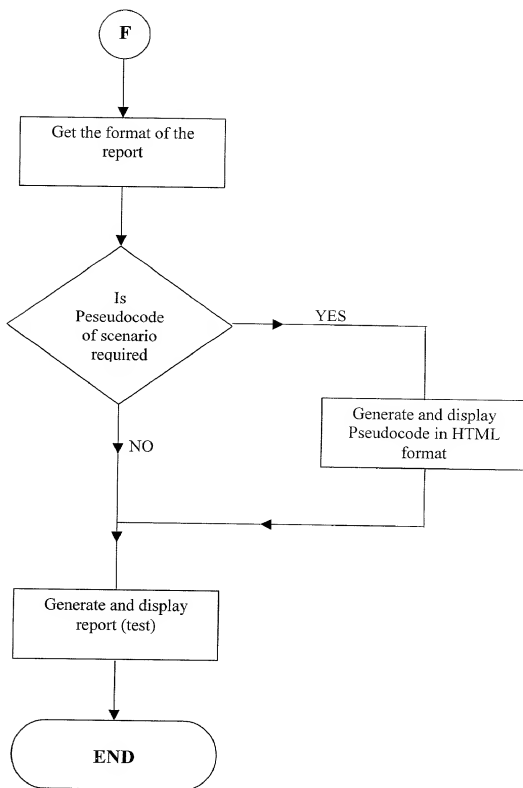


Figure 5d

TEST SCENARIO GENERATION

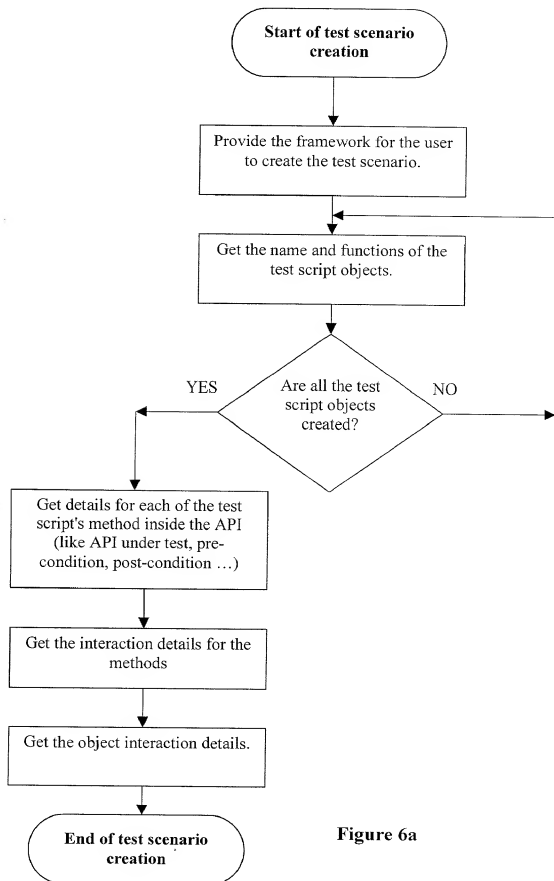


Figure 6a

TEST CASE GENERATION

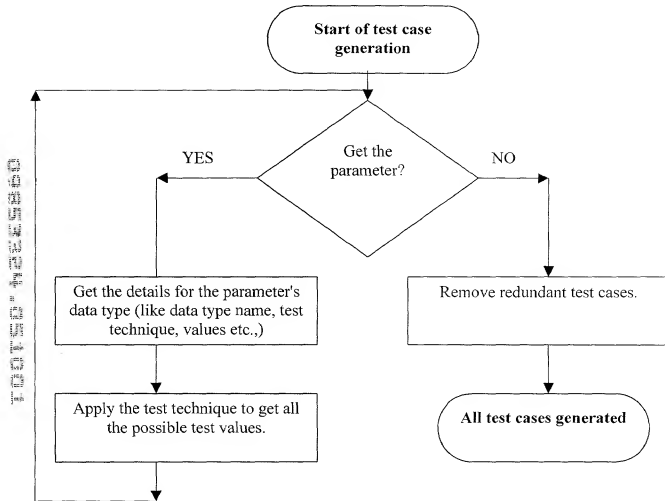


Figure 6b

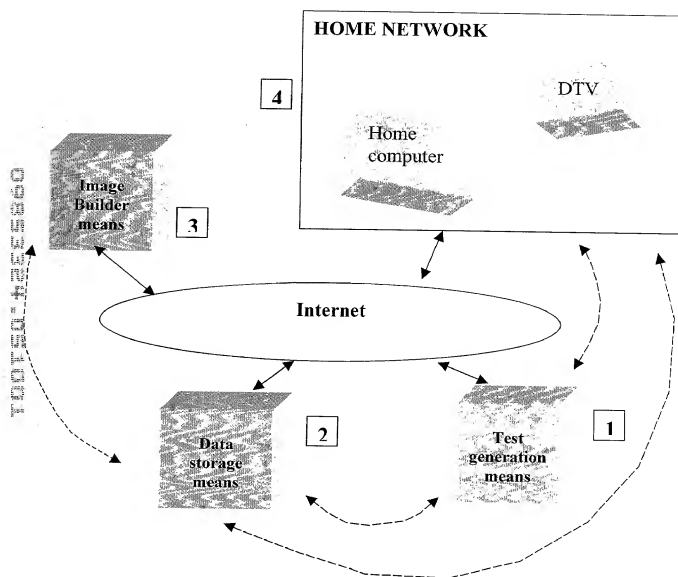


Figure 7